

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for producing antenna components intended for a planar antenna antennas, in which method the method comprising:

forming an antenna antenna's radiator, feeding feed conductor and shorting conductor are formed in on a uniform conducting layer[.];

machining a protrusion into a planar plastic blank to create a dielectric supporting part is formed for the radiator, wherein the protrusion has a height which is a designed height of the planar antenna;

an antenna component comprising contacts for connecting it electrically to a radio device, wherein a plurality of antenna components are processed on a planar plastic blank, and regarding each component material is removed from said uniform conducting layer to form

fastening the formed ~~[[a]]~~ radiator, feeding feed conductor and shorting conductor to ~~the~~ ~~[[, a]]~~ protrusion; with a height being a designed height of the planar antenna is machined into said planar plastic blank to form said dielectric supporting part, the radiator and the feeding and shorting conductor joining to the radiator are located on a surface of said protrusion.

providing at least one opening is formed in the planar plastic blank around said protrusion for the attachment of said contacts[[,]] for connecting the antenna component to a radio device; and

attaching a contact, respectively, is attached both to the feeding feed conductor and to the shorting conductor.

2. (Currently Amended) [[A]] The method according to claim 1, wherein the plastic blank is being a tape wound on a coil former, and further including the step of processing a said plurality of antenna components being-processed in successive locations on the tape while it moves-out the tape is unwound from said coil former.

3. (Currently Amended) [[A]] The method according to claim 2, further including the step of winding said tape being wound on a second coil former after the processing step of antenna components.

4. (Currently Amended) [[A]] The method according to claim 2, further including the step of cutting said tape being cut into fixed-length pieces after the processing step of antenna components.

5. (Currently Amended) [[A]] The method according to claim 1, wherein the plastic blank being is a plate plate-like, and further including the step of processing a said plurality of antenna components being-processed row by row into the plate.

6. (Currently Amended) [[A]] The method according to claim 1, wherein the machining step is performed said-protrusion-being-machined by a hot tool.

7. (Currently Amended) [[A]] The method according to claim 1, wherein the machining step is performed said-protrusion-being-machined by a deep drawing technique.

8. (Currently Amended) [[A]] The method according to claim 1, wherein the fastening step fastens the formed radiator, feed conductor and the feeding and shorting conductor conductors joined to it being located on an outer surface of said protrusion.

9. (Currently Amended) [[A]] The method according to claim 1, wherein the fastening step fastens the formed radiator, feed conductor and the feeding and shorting conductor conductors joined to it being located on an inner surface of said protrusion.

10. (Currently Amended) [[A]] The method according to claim 1, wherein said protrusion is being flat-topped.

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13. (Currently Amended) [[A]] The method according to claim 11, wherein said conductors and radiator being are attached by gluing.

14. (Currently Amended) [[A]] The method according to claim 11, wherein said conductors and radiator being are attached by a self-adhesive joint.

15. (Currently Amended) [[A]] The method according to claim 1, further including the step of welding said contacts to the radio device being attached by welding.

16. (Currently Amended) ~~[[A]]~~ The method according to claim 1, further comprising ~~[[a]] the step of forming in which openings are formed~~ in the planar plastic blank around said protrusion in order to ~~later facilitate a loosening removal~~ of the antenna component ~~from the plastic blank~~.

17. (New) A method for producing antenna components for a planar antenna, the method comprising:

providing a planar plastic blank having first and second surfaces and including a conductive film attached to the first surface;

machining a protrusion into the planar plastic blank to create a dielectric supporting part, wherein the protrusion has a height which is a designed height of the planar antenna;

forming an antenna radiator, feed conductor and shorting conductor by removal of a portion of the uniform conducting layer on the protrusion;

providing at least one opening in the planar plastic blank around said protrusion for the attachment of contacts for connecting the antenna component to a radio device; and

attaching a contact, respectively, to the feed conductor and to the shorting conductor.

18. (New) The method according to claim 17, wherein the plastic blank is a tape wound on a coil former, and further including the step of processing a plurality of antenna components in successive locations on the tape while the tape is unwound from said coil former.

19. (New) The method according to claim 18, further including the step of winding said tape on a second coil former after the processing step.

20. (New) The method according to claim 17, wherein the plastic blank is a plate, and further including the step of processing a plurality of antenna components row by row into the plate.